

22713 U.S. PTO

UTILITY
PATENT APPLICATION
TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b))

Attorney Docket No. 02-68 Total Pages 43

First Named Inventor or Application Identifier

RUSSELL

Title Improved Optical System for a Gas Measurement System

Express Mail Label No. EL 997387559 US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

- 1.
- ☒
- Fee Transmittal Form
-
- (Submit an original, and a duplicate for fee processing)

- 2.
- ☒
- Specification [Total Pages 22]
-
- (preferred arrangement set forth below)
-
- Descriptive Title of the Invention
-
- Cross References to Related Applications
-
- Statement Regarding Fed sponsored R & D
-
- Background of the Invention
-
- Brief Summary of the Invention
-
- Brief Description of the Drawings (if filed)
-
- Detailed Description
-
- Claim(s)
-
- Abstract of the Disclosure

- 3.
- ☒
- Drawing(s) (35 U.S.C. § 113) [Total Sheets 9]

- 4.
- ☒
- Oath or Declaration [Total Pages 2]
-
- a.
- ☐
- Newly executed (original or copy)
-
- b.
- ☐
- Copy from a prior application (37 C.F.R. § 1.63(d))
-
- (for continuation/divisional with Boxes 19 and 20 completed)
-
- [Note Box 5 below]

- i.
- ☐
- DELETION OF INVENTOR(S)
-
- Signed statement attached deleting
-
- inventor(s) named in the prior application,
-
- see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).

- c.
- ☒
- Unsigned

- 5.
- ☐
- Incorporation By Reference (useable if Box 4b is checked)
-
- The entire disclosure of the prior application, from
-
- which a copy of the oath or declaration is supplied
-
- under Box 4b, is considered as being part of the
-
- disclosure of the accompanying application and is
-
- hereby incorporated by reference therein.

- 6.
- ☒
- Application Data Sheet per 37 C.F.R. § 1.76
-
- [Total Pages 2]

7. DOMESTIC/INTERNATIONAL priority is claimed under 35 U.S.C. § 119(e)/120/365(c)
-
- based on the following provisional, nonprovisional, and/or PCT internation applications.

	Application No.	Filing Date
(1)	60/452,656	March 7, 2003
(2)		
(3)		
(4)		

- 8.
- ☒
- Prior application is assigned to RIC Investments, Inc. by
-
- Assignment recorded April 21, 2003 Reel 013985 Frame(s) 0786.

ACCOMPANYING APPLICATION PARTS

- 9.
- ☐
- Assignment Papers (cover sheet & document(s))
-
- (Please return recorded assignment to the undersigned)
-
- 10.
- ☐
- 37 C.F.R. § 3.73(b) Statement
- ☐
- Power of Attorney
-
- (when there is an assignee)
-
- 11.
- ☐
- English Translation Document (if applicable)
-
- 12.
- ☒
- Information Disclosure
- ☒
- Copies of IDS Citations
-
- Statement (IDS)/PTO-1449
-
- 13.
- ☐
- Preliminary Amendment (to be entered before calculating fees)
-
- 14.
- ☒
- Return Receipt Postcard
-
- (Should be specifically itemized)
-
- 15.
- ☐
- Certified Copy of Priority Document(s)
-
- (if foreign priority is claimed)
-
- 16.
- ☒
- Certificate of Mailing by Express Mail
-
- 17.
- ☐
- Non-publication Request and Cert. under 35 U.S.C.
-
- § 122(b)(2)(B)(i) (attach copy of RI-186 Form (PTO/SB/35)).
-
- 18.
- ☐
- Other: _____

19. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No. _____

Prior application Information: Examiner: _____ Group/ArtUnit: _____

21. CORRESPONDENCE ADDRESS

Customer No.

30031

Name	Michael W. Haas	Reg. No.	35,174
Signature	<i>Michael W. Haas</i>	Date	March 3, 2004

22713 030304 U.S. PTO

FEE TRANSMITTAL

(Effective 10/01/2003)

Application Number	Not Yet Assigned
Filing Date	March 4, 2004
First Named Inventor	RUSSELL
Confirmation Number	Unknown
Group Art Unit	Unknown
Examiner's Name	Unknown
Attorney Docket No.	02-68

"Express Mail" Label No. EL 997387559 US

TOTAL AMOUNT OF PAYMENT \$ 942.00

METHOD OF PAYMENT		FEE CALCULATION (continued)																																																																																																																																																																																																																																																																																												
<p>1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:</p> <p>Deposit Account Number: <u>50-0558</u></p> <p>Deposit Account Name: <u>Respironics, Inc.</u></p> <p><input checked="" type="checkbox"/> Charge any additional fee required under 37 C.F.R. §§ 1.16, 1.17, 1.19 and 1.20 <input type="checkbox"/> Charge the Issue Fee set forth in 37 C.F.R. § 1.18</p>		<p>3. ADDITIONAL FEES</p> <table border="1"> <thead> <tr> <th>Large Fee Code</th> <th>Entity Fee (\$)</th> <th>Small Fee Code</th> <th>Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>1051</td><td>130</td><td>2051</td><td>65</td><td>Surcharge - late filing fee or declaration</td><td></td></tr> <tr><td>1052</td><td>50</td><td>2052</td><td>25</td><td>Surcharge - late provisional filing fee or or cover sheet</td><td></td></tr> <tr><td>1811</td><td>100</td><td>1811</td><td>100</td><td>Certificate of Correction</td><td></td></tr> <tr><td>1812</td><td>2,520</td><td>1812</td><td>2,520</td><td>For filing a request for reexamination</td><td></td></tr> <tr><td>576</td><td>25</td><td>576</td><td>25</td><td>Additional filing receipt, duplicate or corrected due to applicant error</td><td></td></tr> <tr><td>1805</td><td>1,840*</td><td>1805</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>1251</td><td>110</td><td>2251</td><td>55</td><td>Extension for response within first month</td><td></td></tr> <tr><td>1252</td><td>420</td><td>2252</td><td>210</td><td>Extension for response within second month</td><td></td></tr> <tr><td>1253</td><td>950</td><td>2253</td><td>475</td><td>Extension for response within third month</td><td></td></tr> <tr><td>1254</td><td>1,480</td><td>2254</td><td>740</td><td>Extension for response within fourth month</td><td></td></tr> <tr><td>1255</td><td>2,010</td><td>2255</td><td>1,005</td><td>Extension for response within fifth month</td><td></td></tr> <tr><td>1401</td><td>330</td><td>2401</td><td>165</td><td>Notice of Appeal</td><td></td></tr> <tr><td>1402</td><td>330</td><td>2402</td><td>165</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>1403</td><td>290</td><td>2403</td><td>145</td><td>Request for oral hearing</td><td></td></tr> <tr><td>1451</td><td>1,510</td><td>1451</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>1452</td><td>110</td><td>2452</td><td>55</td><td>Petition to revive unavoidably abandoned application</td><td></td></tr> <tr><td>1453</td><td>1,330</td><td>2453</td><td>665</td><td>Petition to revive unintentionally abandoned application</td><td></td></tr> <tr><td>1501</td><td>1,330</td><td>2501</td><td>665</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>1502</td><td>480</td><td>2502</td><td>240</td><td>Design issue fee</td><td></td></tr> <tr><td>1814</td><td>110</td><td>2814</td><td>55</td><td>Statutory Disclaimer</td><td></td></tr> <tr><td>1460</td><td>130</td><td>1460</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>1807</td><td>50</td><td>1807</td><td>50</td><td>Petitions related to provisional applications</td><td></td></tr> <tr><td>1806</td><td>180</td><td>1806</td><td>180</td><td>Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>8021</td><td>40</td><td>8021</td><td>40</td><td>Recording each patent assignment per property (times number of property)</td><td></td></tr> <tr><td>1809</td><td>770</td><td>2809</td><td>385</td><td>Filing a submission after final rejection (37 C.F.R. § 1.129(a))</td><td></td></tr> <tr><td>1801</td><td>770</td><td>2801</td><td>385</td><td>Request for Continued Examination</td><td></td></tr> <tr><td colspan="5">Other Fee (specify) _____</td><td></td></tr> <tr> <td colspan="2"> <p>2. <input checked="" type="checkbox"/> Payment Enclosed:</p> <p>Check (Check No. <u>1210</u>)</p> </td> <td colspan="4"> <p>SUBTOTAL (3) \$ 0.00</p> </td> </tr> <tr> <td colspan="2"> <p>FEE CALCULATION (fees effective 10/01/00)</p> <p>1. FILING FEE</p> <table border="1"> <thead> <tr> <th>Large Fee (\$)</th> <th>Entity Fee (\$)</th> <th>Small Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>1001</td><td>770</td><td>2001</td><td>385</td><td>Utility filing fee</td><td>770.00</td></tr> <tr><td>1002</td><td>340</td><td>2002</td><td>170</td><td>Design filing fee</td><td></td></tr> <tr><td>1003</td><td>530</td><td>2003</td><td>265</td><td>Plant filing fee</td><td></td></tr> <tr><td>1004</td><td>770</td><td>2004</td><td>385</td><td>Reissue filing fee</td><td></td></tr> <tr><td>1005</td><td>160</td><td>2005</td><td>80</td><td>Provisional filing fee</td><td></td></tr> <tr> <td colspan="4">SUBTOTAL (1)</td> <td>\$ 770.00</td> </tr> </tbody> </table> <p>2. CLAIMS</p> <table border="1"> <thead> <tr> <th>Total Claims</th> <th>Ind. Claims</th> <th>Extra Claims</th> <th>Fee from Below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>12</td> <td>5</td> <td>20*</td> <td>0 x 18 =</td> <td>0.00</td> </tr> <tr> <td></td> <td></td> <td>3*</td> <td>2 x 86 =</td> <td>172.00</td> </tr> <tr> <td colspan="4">Multiple Dependent Claims add 290 =</td> <td>0.00</td> </tr> </tbody> </table> <p>* Enter Highest Number Previous Paid For</p> <table border="1"> <thead> <tr> <th>Large Fee (\$)</th> <th>Entity Fee (\$)</th> <th>Small Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>1202</td><td>18</td><td>2202</td><td>9</td><td>Claims in excess of 20</td><td></td></tr> <tr><td>1201</td><td>86</td><td>2201</td><td>43</td><td>Independent claims in excess of 3</td><td></td></tr> <tr><td>1203</td><td>290</td><td>2203</td><td>145</td><td>Multiple dependent claim</td><td></td></tr> <tr><td>1204</td><td>86</td><td>2204</td><td>43</td><td>Reissue independent claims over original patent</td><td></td></tr> <tr><td>1205</td><td>18</td><td>2205</td><td>9</td><td>Reissue claims in excess of 20 and over original patent</td><td></td></tr> <tr> <td colspan="4">SUBTOTAL (2)</td> <td>\$ 172.00</td> </tr> </tbody> </table> </td> <td colspan="4"> <p>SUBTOTAL (1) \$ 770.00</p> </td> </tr> </tbody> </table>					Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid	1051	130	2051	65	Surcharge - late filing fee or declaration		1052	50	2052	25	Surcharge - late provisional filing fee or or cover sheet		1811	100	1811	100	Certificate of Correction		1812	2,520	1812	2,520	For filing a request for reexamination		576	25	576	25	Additional filing receipt, duplicate or corrected due to applicant error		1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action		1251	110	2251	55	Extension for response within first month		1252	420	2252	210	Extension for response within second month		1253	950	2253	475	Extension for response within third month		1254	1,480	2254	740	Extension for response within fourth month		1255	2,010	2255	1,005	Extension for response within fifth month		1401	330	2401	165	Notice of Appeal		1402	330	2402	165	Filing a brief in support of an appeal		1403	290	2403	145	Request for oral hearing		1451	1,510	1451	1,510	Petition to institute a public use proceeding		1452	110	2452	55	Petition to revive unavoidably abandoned application		1453	1,330	2453	665	Petition to revive unintentionally abandoned application		1501	1,330	2501	665	Utility issue fee (or reissue)		1502	480	2502	240	Design issue fee		1814	110	2814	55	Statutory Disclaimer		1460	130	1460	130	Petitions to the Commissioner		1807	50	1807	50	Petitions related to provisional applications		1806	180	1806	180	Submission of Information Disclosure Stmt		8021	40	8021	40	Recording each patent assignment per property (times number of property)		1809	770	2809	385	Filing a submission after final rejection (37 C.F.R. § 1.129(a))		1801	770	2801	385	Request for Continued Examination		Other Fee (specify) _____						<p>2. <input checked="" type="checkbox"/> Payment Enclosed:</p> <p>Check (Check No. <u>1210</u>)</p>		<p>SUBTOTAL (3) \$ 0.00</p>				<p>FEE CALCULATION (fees effective 10/01/00)</p> <p>1. FILING FEE</p> <table border="1"> <thead> <tr> <th>Large Fee (\$)</th> <th>Entity Fee (\$)</th> <th>Small Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>1001</td><td>770</td><td>2001</td><td>385</td><td>Utility filing fee</td><td>770.00</td></tr> <tr><td>1002</td><td>340</td><td>2002</td><td>170</td><td>Design filing fee</td><td></td></tr> <tr><td>1003</td><td>530</td><td>2003</td><td>265</td><td>Plant filing fee</td><td></td></tr> <tr><td>1004</td><td>770</td><td>2004</td><td>385</td><td>Reissue filing fee</td><td></td></tr> <tr><td>1005</td><td>160</td><td>2005</td><td>80</td><td>Provisional filing fee</td><td></td></tr> <tr> <td colspan="4">SUBTOTAL (1)</td> <td>\$ 770.00</td> </tr> </tbody> </table> <p>2. CLAIMS</p> <table border="1"> <thead> <tr> <th>Total Claims</th> <th>Ind. Claims</th> <th>Extra Claims</th> <th>Fee from Below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>12</td> <td>5</td> <td>20*</td> <td>0 x 18 =</td> <td>0.00</td> </tr> <tr> <td></td> <td></td> <td>3*</td> <td>2 x 86 =</td> <td>172.00</td> </tr> <tr> <td colspan="4">Multiple Dependent Claims add 290 =</td> <td>0.00</td> </tr> </tbody> </table> <p>* Enter Highest Number Previous Paid For</p> <table border="1"> <thead> <tr> <th>Large Fee (\$)</th> <th>Entity Fee (\$)</th> <th>Small Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>1202</td><td>18</td><td>2202</td><td>9</td><td>Claims in excess of 20</td><td></td></tr> <tr><td>1201</td><td>86</td><td>2201</td><td>43</td><td>Independent claims in excess of 3</td><td></td></tr> <tr><td>1203</td><td>290</td><td>2203</td><td>145</td><td>Multiple dependent claim</td><td></td></tr> <tr><td>1204</td><td>86</td><td>2204</td><td>43</td><td>Reissue independent claims over original patent</td><td></td></tr> <tr><td>1205</td><td>18</td><td>2205</td><td>9</td><td>Reissue claims in excess of 20 and over original patent</td><td></td></tr> <tr> <td colspan="4">SUBTOTAL (2)</td> <td>\$ 172.00</td> </tr> </tbody> </table>		Large Fee (\$)	Entity Fee (\$)	Small Fee (\$)	Fee Description	Fee Paid	1001	770	2001	385	Utility filing fee	770.00	1002	340	2002	170	Design filing fee		1003	530	2003	265	Plant filing fee		1004	770	2004	385	Reissue filing fee		1005	160	2005	80	Provisional filing fee		SUBTOTAL (1)				\$ 770.00	Total Claims	Ind. Claims	Extra Claims	Fee from Below	Fee Paid	12	5	20*	0 x 18 =	0.00			3*	2 x 86 =	172.00	Multiple Dependent Claims add 290 =				0.00	Large Fee (\$)	Entity Fee (\$)	Small Fee (\$)	Fee Description	Fee Paid	1202	18	2202	9	Claims in excess of 20		1201	86	2201	43	Independent claims in excess of 3		1203	290	2203	145	Multiple dependent claim		1204	86	2204	43	Reissue independent claims over original patent		1205	18	2205	9	Reissue claims in excess of 20 and over original patent		SUBTOTAL (2)				\$ 172.00	<p>SUBTOTAL (1) \$ 770.00</p>			
Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid																																																																																																																																																																																																																																																																																									
1051	130	2051	65	Surcharge - late filing fee or declaration																																																																																																																																																																																																																																																																																										
1052	50	2052	25	Surcharge - late provisional filing fee or or cover sheet																																																																																																																																																																																																																																																																																										
1811	100	1811	100	Certificate of Correction																																																																																																																																																																																																																																																																																										
1812	2,520	1812	2,520	For filing a request for reexamination																																																																																																																																																																																																																																																																																										
576	25	576	25	Additional filing receipt, duplicate or corrected due to applicant error																																																																																																																																																																																																																																																																																										
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action																																																																																																																																																																																																																																																																																										
1251	110	2251	55	Extension for response within first month																																																																																																																																																																																																																																																																																										
1252	420	2252	210	Extension for response within second month																																																																																																																																																																																																																																																																																										
1253	950	2253	475	Extension for response within third month																																																																																																																																																																																																																																																																																										
1254	1,480	2254	740	Extension for response within fourth month																																																																																																																																																																																																																																																																																										
1255	2,010	2255	1,005	Extension for response within fifth month																																																																																																																																																																																																																																																																																										
1401	330	2401	165	Notice of Appeal																																																																																																																																																																																																																																																																																										
1402	330	2402	165	Filing a brief in support of an appeal																																																																																																																																																																																																																																																																																										
1403	290	2403	145	Request for oral hearing																																																																																																																																																																																																																																																																																										
1451	1,510	1451	1,510	Petition to institute a public use proceeding																																																																																																																																																																																																																																																																																										
1452	110	2452	55	Petition to revive unavoidably abandoned application																																																																																																																																																																																																																																																																																										
1453	1,330	2453	665	Petition to revive unintentionally abandoned application																																																																																																																																																																																																																																																																																										
1501	1,330	2501	665	Utility issue fee (or reissue)																																																																																																																																																																																																																																																																																										
1502	480	2502	240	Design issue fee																																																																																																																																																																																																																																																																																										
1814	110	2814	55	Statutory Disclaimer																																																																																																																																																																																																																																																																																										
1460	130	1460	130	Petitions to the Commissioner																																																																																																																																																																																																																																																																																										
1807	50	1807	50	Petitions related to provisional applications																																																																																																																																																																																																																																																																																										
1806	180	1806	180	Submission of Information Disclosure Stmt																																																																																																																																																																																																																																																																																										
8021	40	8021	40	Recording each patent assignment per property (times number of property)																																																																																																																																																																																																																																																																																										
1809	770	2809	385	Filing a submission after final rejection (37 C.F.R. § 1.129(a))																																																																																																																																																																																																																																																																																										
1801	770	2801	385	Request for Continued Examination																																																																																																																																																																																																																																																																																										
Other Fee (specify) _____																																																																																																																																																																																																																																																																																														
<p>2. <input checked="" type="checkbox"/> Payment Enclosed:</p> <p>Check (Check No. <u>1210</u>)</p>		<p>SUBTOTAL (3) \$ 0.00</p>																																																																																																																																																																																																																																																																																												
<p>FEE CALCULATION (fees effective 10/01/00)</p> <p>1. FILING FEE</p> <table border="1"> <thead> <tr> <th>Large Fee (\$)</th> <th>Entity Fee (\$)</th> <th>Small Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>1001</td><td>770</td><td>2001</td><td>385</td><td>Utility filing fee</td><td>770.00</td></tr> <tr><td>1002</td><td>340</td><td>2002</td><td>170</td><td>Design filing fee</td><td></td></tr> <tr><td>1003</td><td>530</td><td>2003</td><td>265</td><td>Plant filing fee</td><td></td></tr> <tr><td>1004</td><td>770</td><td>2004</td><td>385</td><td>Reissue filing fee</td><td></td></tr> <tr><td>1005</td><td>160</td><td>2005</td><td>80</td><td>Provisional filing fee</td><td></td></tr> <tr> <td colspan="4">SUBTOTAL (1)</td> <td>\$ 770.00</td> </tr> </tbody> </table> <p>2. CLAIMS</p> <table border="1"> <thead> <tr> <th>Total Claims</th> <th>Ind. Claims</th> <th>Extra Claims</th> <th>Fee from Below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>12</td> <td>5</td> <td>20*</td> <td>0 x 18 =</td> <td>0.00</td> </tr> <tr> <td></td> <td></td> <td>3*</td> <td>2 x 86 =</td> <td>172.00</td> </tr> <tr> <td colspan="4">Multiple Dependent Claims add 290 =</td> <td>0.00</td> </tr> </tbody> </table> <p>* Enter Highest Number Previous Paid For</p> <table border="1"> <thead> <tr> <th>Large Fee (\$)</th> <th>Entity Fee (\$)</th> <th>Small Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>1202</td><td>18</td><td>2202</td><td>9</td><td>Claims in excess of 20</td><td></td></tr> <tr><td>1201</td><td>86</td><td>2201</td><td>43</td><td>Independent claims in excess of 3</td><td></td></tr> <tr><td>1203</td><td>290</td><td>2203</td><td>145</td><td>Multiple dependent claim</td><td></td></tr> <tr><td>1204</td><td>86</td><td>2204</td><td>43</td><td>Reissue independent claims over original patent</td><td></td></tr> <tr><td>1205</td><td>18</td><td>2205</td><td>9</td><td>Reissue claims in excess of 20 and over original patent</td><td></td></tr> <tr> <td colspan="4">SUBTOTAL (2)</td> <td>\$ 172.00</td> </tr> </tbody> </table>		Large Fee (\$)	Entity Fee (\$)	Small Fee (\$)	Fee Description	Fee Paid	1001	770	2001	385	Utility filing fee	770.00	1002	340	2002	170	Design filing fee		1003	530	2003	265	Plant filing fee		1004	770	2004	385	Reissue filing fee		1005	160	2005	80	Provisional filing fee		SUBTOTAL (1)				\$ 770.00	Total Claims	Ind. Claims	Extra Claims	Fee from Below	Fee Paid	12	5	20*	0 x 18 =	0.00			3*	2 x 86 =	172.00	Multiple Dependent Claims add 290 =				0.00	Large Fee (\$)	Entity Fee (\$)	Small Fee (\$)	Fee Description	Fee Paid	1202	18	2202	9	Claims in excess of 20		1201	86	2201	43	Independent claims in excess of 3		1203	290	2203	145	Multiple dependent claim		1204	86	2204	43	Reissue independent claims over original patent		1205	18	2205	9	Reissue claims in excess of 20 and over original patent		SUBTOTAL (2)				\$ 172.00	<p>SUBTOTAL (1) \$ 770.00</p>																																																																																																																																																																																								
Large Fee (\$)	Entity Fee (\$)	Small Fee (\$)	Fee Description	Fee Paid																																																																																																																																																																																																																																																																																										
1001	770	2001	385	Utility filing fee	770.00																																																																																																																																																																																																																																																																																									
1002	340	2002	170	Design filing fee																																																																																																																																																																																																																																																																																										
1003	530	2003	265	Plant filing fee																																																																																																																																																																																																																																																																																										
1004	770	2004	385	Reissue filing fee																																																																																																																																																																																																																																																																																										
1005	160	2005	80	Provisional filing fee																																																																																																																																																																																																																																																																																										
SUBTOTAL (1)				\$ 770.00																																																																																																																																																																																																																																																																																										
Total Claims	Ind. Claims	Extra Claims	Fee from Below	Fee Paid																																																																																																																																																																																																																																																																																										
12	5	20*	0 x 18 =	0.00																																																																																																																																																																																																																																																																																										
		3*	2 x 86 =	172.00																																																																																																																																																																																																																																																																																										
Multiple Dependent Claims add 290 =				0.00																																																																																																																																																																																																																																																																																										
Large Fee (\$)	Entity Fee (\$)	Small Fee (\$)	Fee Description	Fee Paid																																																																																																																																																																																																																																																																																										
1202	18	2202	9	Claims in excess of 20																																																																																																																																																																																																																																																																																										
1201	86	2201	43	Independent claims in excess of 3																																																																																																																																																																																																																																																																																										
1203	290	2203	145	Multiple dependent claim																																																																																																																																																																																																																																																																																										
1204	86	2204	43	Reissue independent claims over original patent																																																																																																																																																																																																																																																																																										
1205	18	2205	9	Reissue claims in excess of 20 and over original patent																																																																																																																																																																																																																																																																																										
SUBTOTAL (2)				\$ 172.00																																																																																																																																																																																																																																																																																										

SUBMITTED BY					
Typed or Printed Name	Michael W. Haas		Reg. Number	35,174	
Signature	<i>Michael W. Haas</i>	Date	March 4, 2004	Deposit Account Number	50-0558

Certificate of Mailing by "Express Mail"

EL 997387559 US

"Express Mail" label number

March 3, 2004

Date of Deposit

I hereby certify that this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service on the date indicated above and is addressed to:

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450.

Michael W. Haas

Signature of person mailing correspondence

Michael W. Haas

Typed or printed name of person mailing correspondence

Note: Each paper must have its own certificate of mailing by "Express Mail".